

CLAIMS

1) A trimmer of the type comprising:

a motor (2);

5 a tool head (3);

a tubular arm (4) fitted at a first axial end to the casing of said motor (2), and supporting said head (3) at a second axial end;

a propeller shaft (5) housed inside said arm (4) and
10 angularly integral with a drive shaft of said motor (2);

a bevel gear pair (6) housed inside said head (3) and defined by a first hub (12) coaxial with said propeller shaft (5) and having a first bevel gear (13), and by a second hub (14) having a second bevel gear (15)
15 meshing with said first bevel gear (13); and

a tool shaft (23) angularly integral with said second hub (14);

characterized by comprising a first adapter (16) for making said first hub (12) and said propeller shaft (5)
20 angularly integral.

2) A trimmer as claimed in Claim 1, characterized in that said first adapter (16) comprises a first portion (17) in which is formed a hole (18) engaged by a portion (5a) of said propeller shaft (5); and an externally
25 threaded second portion (21) screwed inside a threaded hole (12a) formed in said first hub (12).

3) A trimmer as claimed in Claim 1, characterized in that said head (3) comprises a casing (7) defined by two

tubular portions (24, 25), of which a first tubular portion (24) is coaxial with said first hub (12), and a second tubular portion (25) is coaxial with said second hub (14); said second tubular portion housing said second hub (14) and a large portion of said tool shaft (23);
5 said first tubular portion (24) housing said first hub (12) and said first adapter (16); and said first tubular portion (24) being fitted to said second axial end of said arm (4) by means of a second adapter (27).

10 4) A trimmer as claimed in Claim 3, characterized in that said second adapter (27) is tubular, and is fitted to said second axial end of said arm (4).

5) A trimmer as claimed in Claim 4, characterized in that said second adapter (27) comprises, at a first axial
15 end, an edge bent outwards to form a rim (27b) on which the edge of the axial end of said first tubular portion (24) of said casing (7) rests, and comprises, at a second axial end, an edge bent inwards to form a rim (27c) which rests on the edge of said second axial end of said arm
20 (4).

6) A trimmer as claimed in Claim 3, characterized in that said second adapter (27) is defined by a laterally open tubular member (27a).

7) A trimmer as claimed in Claim 3, characterized in
25 that said first tubular portion (24) of said casing (7) has an axial opening (30), and from the facing edges of said opening (30) extend outwards two parallel tabs (31), each having a through hole (32), and one of which holes

is threaded; a bolt (33) being fitted first through the non-threaded said hole (32) of a first tab (31), and then being screwed inside the threaded said hole (32) of the second tab (31) to firmly grip said second axial end of
5 said arm (4).

8) A trimmer as claimed in Claim 7, characterized in that an appendix (27d) extends outwards from said second adapter (27), and in particular inside the gap between said tabs (31), and is therefore gripped between said
10 tabs (31).

9) A tool head for a trimmer, comprising:

a bevel gear pair (6) defined by a first hub (12) coaxial with a propeller shaft (5) and having a first bevel gear (13), and by a second hub (14) having a second
15 bevel gear (15) meshing with said first bevel gear (13);
and

a tool shaft (23) angularly integral with said second hub (14);

characterized by comprising a first adapter (16) for
20 making said first hub (12) and said propeller shaft (5) angularly integral.

10) A tool head as claimed in Claim 9, characterized by comprising a casing (7) defined by two tubular portions (24, 25), of which a first tubular portion (24)
25 is coaxial with said first hub (12), and a second tubular portion (25) is coaxial with said second hub (14); said second tubular portion housing said second hub (14) and a large portion of said tool shaft (23); said first tubular

portion (24) housing said first hub (12) and said first adapter (16); and said first tubular portion (24) being fitted, by means of a second adapter (27), to an axial end of an arm (4) housing said propeller shaft (5).